Creative Enzymes®

Cellodextrinase 5A from Ruminococcus flavefaciens, Recombinant

Cat. No. NATE-1449

Lot. No. (See product label)

Introduction

Description	Glucan 1,4-beta-glucosidase (or 4-beta-D-glucan glucohydrolase) is an enzyme that catalyses the hydrolysis of (1->4)-linkages in 1,4-beta-D-glucans and related oligosaccharides, removing successive glucose units. This is one of the cellulases, enzymes involved in the hydrolysis of cellulose and related polysaccharides; more specifically, an exocellulase, that acts at the end of the polysaccharide chain.
Synonyms	exo-1,4-β-glucosidase; exocellulase; exo-β-1,4-glucosidase; exo-β-1,4-glucanase; β-1,4-β-glucanase; β-glucosidase; exo-1,4-β-glucanase; 1,4-β-D-glucan glucohydrolase; glucan 1,4-β-glucosidase; EC 3.2.1.74; Cellodextrinase

Product Information

Species	Ruminococcus flavefaciens
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.74
CAS No.	37288-52-1
Molecular Weight	40.7 kDa
Purity	>90% by SDS-PAGE
Concentration	0.25 mg/mL
Optimum pH	7
Optimum temperature	37 °C
Specificity	Cellodextrins

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.